



**STATE OF TENNESSEE
DEPARTMENT OF ENVIRONMENT AND CONSERVATION
COOKEVILLE ENVIRONMENTAL FIELD OFFICE**

**DIVISION OF WATER POLLUTION CONTROL
1221 SOUTH WILLOW AVENUE
COOKEVILLE, TN 38506**

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June 3, 2010

Mr. Curtis Adams, City Manager
City of Crossville
99 Municipal Ave.
Crossville, TN 38555

CERTIFIED MAIL

Return Receipt Requested

Receipt # 91 7108 2133 3937 2532 3985

**Re: Compliance Evaluation Inspection
Crossville Meadow Park Water Treatment Plant
NPDES # TN0077909
Receiving Water: Meadow Park Lake, Cumberland County, TN**

Dear Mr. Adams:

On May 18, 2010, personnel from the Division of Water Pollution Control (WPC) conducted a Compliance Evaluation Inspection at the Crossville Meadow Park Water Treatment Plant (WTP). The purpose of the inspection was to evaluate compliance with the general NPDES permit for WTP filter backwash and sedimentation basin discharge and to determine the reliability of data submitted on Monthly Operation Reports (MOR) and Discharge Monitoring Reports (DMR). The discharge is to Meadow Park Lake.

Permit and Records

The Crossville Meadow Park WTP is operating under a general NPDES permit that became effective on October 1, 2004 and expired on September 27, 2009. A completed Notice of Intent (NOI) was submitted prior to permit expiration to maintain coverage under the expired general permit until a new general permit is issued. Issuance of the new general permit is forthcoming.

The permit requires that samples of filter backwash water be analyzed for required parameters once per month. These analyses are being performed as required with records of the analyses being maintained at the facility. The records were found to be consistent with data submitted on MORs and DMRs.

Facility Review

Filter backwash water is discharged to three sedimentation basins prior to discharge to Meadow Park Lake. The water in the sediment basins was very clear and had no noticeable odor. A thermodyne polymer is used to reduce turbidity. Sludge is being land applied. The facility and grounds were clean and well-maintained.

Laboratory Review

The laboratory and associated equipment and instruments were well-maintained and organized. Equipment calibration logs are being maintained at the facility. A portion of the laboratory tests are being performed at the wastewater treatment plant (total suspended solids and settleable solids). Chlorine and pH tests are being performed at the WTP due to sample holding time requirements. It was noted that one of the pH buffer solutions did not have an expiration date on the label (see recommendation below). Sampling for aluminum is being conducted at the Meadow Park WTP, but is not required by the permit.

Recommendation

- Contact the supplier of pH buffer solutions to the facility to confirm the expiration date of the buffer with no expiration date given on the label. This is to provide assurance that pH monitoring at the facility is accurate.

We extend our thanks to the staff at the Crossville Meadow Park WTP for their time and courtesy during the inspection. If you have any questions, you may reach me by phone at (931) 432-7642 or toll free at (888) 891-8332. I can also be reached by e-mail at *Martin.Smith@tn.gov*.

Sincerely,



Martin Smith
Division of Water Pollution Control
Cookeville Environmental Field Office

CC: Mr. Patrick Parker, WPC Nashville Central Office, Enforcement & Compliance Mgr (*via e-mail*)
Mr. Rob Howard, WPC Cookeville EFO, Program Manager (*via e-mail*)
Mr. Johnny Walker, DWS Cookeville EFO, Program Manager (*via e-mail*)
WPC EFO File (Cumberland)

Enclosure: EPA 3560 Form